Emily R Troemel

List of Publications by Year
in descending order

43 papers	3,259 citations	236925 25 h-index	276875 41 g-index
68 all docs	68 docs citations	68 times ranked	2669 citing authors

#	Article	IF	Citations
1	p38 MAPK Regulates Expression of Immune Response Genes and Contributes to Longevity in C. elegans. PLoS Genetics, 2006, 2, e183.	3.5	573
2	Distinct Pathogenesis and Host Responses during Infection of C. elegans by P. aeruginosa and S. aureus. PLoS Pathogens, 2010, 6, e1000982.	4.7	297
3	Microsporidian genome analysis reveals evolutionary strategies for obligate intracellular growth. Genome Research, 2012, 22, 2478-2488.	5.5	235
4	Microsporidia Are Natural Intracellular Parasites of the Nematode Caenorhabditis elegans. PLoS Biology, 2008, 6, e309.	5.6	218
5	C.Âelegans Detects Pathogen-Induced Translational Inhibition to Activate Immune Signaling. Cell Host and Microbe, 2012, 11, 375-386.	11.0	185
6	Ubiquitin-Mediated Response to Microsporidia and Virus Infection in C. elegans. PLoS Pathogens, 2014, 10, e1004200.	4.7	184
7	bZIP transcription factor zip-2 mediates an early response to Pseudomonas aeruginosa infection in Caenorhabditis elegans. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2153-2158.	7.1	146
8	Autophagy and innate immunity: Insights from invertebrate model organisms. Autophagy, 2018, 14, 233-242.	9.1	112
9	Identification of microsporidia host-exposed proteins reveals a repertoire of rapidly evolving proteins. Nature Communications, 2017, 8, 14023.	12.8	88
10	Caenorhabditis elegansas a model for intracellular pathogen infection. Cellular Microbiology, 2013, 15, 1313-1322.	2.1	87
11	Microbial pathogenesis and host defense in the nematode C. elegans. Current Opinion in Microbiology, 2015, 23, 94-101.	5.1	86
12	A Wild C. Elegans Strain Has Enhanced Epithelial Immunity to a Natural Microsporidian Parasite. PLoS Pathogens, 2015, 11, e1004583.	4.7	80
13	An Intracellular Pathogen Response Pathway Promotes Proteostasis in C.Âelegans. Current Biology, 2017, 27, 3544-3553.e5.	3.9	80
14	Antagonistic paralogs control a switch between growth and pathogen resistance in C. elegans. PLoS Pathogens, 2019, 15, e1007528.	4.7	72
15	Non-Lytic, Actin-Based Exit of Intracellular Parasites from C. elegans Intestinal Cells. PLoS Pathogens, 2011, 7, e1002227.	4.7	67
16	In vivo mapping of tissue- and subcellular-specific proteomes in Caenorhabditis elegans. Science Advances, 2017, 3, e1602426.	10.3	66
17	A Large Collection of Novel Nematode-Infecting Microsporidia and Their Diverse Interactions with Caenorhabditis elegans and Other Related Nematodes. PLoS Pathogens, 2016, 12, e1006093.	4.7	62
18	Microsporidiaâ€“host interactions. Current Opinion in Microbiology, 2015, 26, 10-16.	5.1	50

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19	The Caenorhabditis elegans RIG-I Homolog DRH-1 Mediates the Intracellular Pathogen Response upon Viral Infection. Journal of Virology, 2020, 94, .	3.4	50
20	Discovery of a Natural Microsporidian Pathogen with a Broad Tissue Tropism in Caenorhabditis elegans. PLoS Pathogens, 2016, 12, e1005724.	4.7	48
21	The small GTPase RAB-11 directs polarized exocytosis of the intracellular pathogen N. parisii for fecal-oral transmission from C. elegans. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8215-8220.	7.1	42
22	The purine nucleoside phosphorylase pnp-1 regulates epithelial cell resistance to infection in C. elegans. PLoS Pathogens, 2021, 17, e1009350.	4.7	39
23	New Models of Microsporidiosis: Infections in Zebrafish, C. elegans, and Honey Bee. PLoS Pathogens, 2011, 7, e1001243.	4.7	38
24	Cell-to-cell spread of microsporidia causes Caenorhabditis elegans organs to form syncytia. Nature Microbiology, 2016, 1, 16144.	13.3	33
25	The C.Âelegans CCAAT-Enhancer-Binding Protein Gamma Is Required for Surveillance Immunity. Cell Reports, 2016, 14, 1581-1589.	6.4	33
26	A cullin-RING ubiquitin ligase promotes thermotolerance as part of the intracellular pathogen response in Caenorhabditis elegans. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7950-7960.	7.1	32
27	The Development of Genetic Modification Techniques in Intracellular Parasites and Potential Applications to Microsporidia. PLoS Pathogens, 2015, 11, e1005283.	4.7	29
28	Natural variation in the roles of C. elegans autophagy components during microsporidia infection. PLoS ONE, 2019, 14, e0216011.	2.5	25
29	The transcription factor ZIP-1 promotes resistance to intracellular infection in Caenorhabditis elegans. Nature Communications, 2022, 13, 17.	12.8	23
30	Small GTPases promote actin coat formation on microsporidian pathogens traversing the apical membrane ofCaenorhabditis elegansintestinal cells. Cellular Microbiology, 2016, 18, 30-45.	2.1	20
31	Microsporidia Intracellular Development Relies on Myc Interaction Network Transcription Factors in the Host. G3: Genes, Genomes, Genetics, 2016, 6, 2707-2716.	1.8	18
32	Characterization of Microsporidia-Induced Developmental Arrest and a Transmembrane Leucine-Rich Repeat Protein in Caenorhabditis elegans. PLoS ONE, 2015, 10, e0124065.	2.5	17
33	Genome analysis and polar tube firing dynamics of mosquito-infecting microsporidia. Fungal Genetics and Biology, 2015, 83, 41-44.	2.1	15
34	Genome Sequence of the Microsporidian Species Nematocida sp1 Strain ERTm6 (ATCC PRA-372). Genome Announcements, 2014, 2, .	0.8	14
35	Conservation lost: hostâ€pathogen battles drive diversification and expansion of gene families. FEBS Journal, 2021, 288, 5289-5299.	4.7	13
36	Host-Microsporidia Interactions in Caenorhabditis elegans , a Model Nematode Host. Microbiology Spectrum, 2016, 4, .	3.0	12

#	Article	IF	Citations
37	An intestinally secreted host factor promotes microsporidia invasion of C. elegans. ELife, 2022, 11, .	6.0	12
38	Nanoluciferase-Based Method for Detecting Gene Expression in Caenorhabditis elegans. Genetics, 2019, 213, 1197-1207.	2.9	10
39	Insights from C. elegans into Microsporidia Biology and Host-Pathogen Relationships. Experientia Supplementum (2012), 2022, 114, 115-136.	0.9	8
40	Preparing a discreet escape. Worm, 2012, 1, 207-211.	1.0	7
41	Breaking barriers: a GPCR triggers immunity in nematodes. Nature Immunology, 2014, 15, 826-828.	14.5	3
42	Host-Microsporidia Interactions in Caenorhabditis elegans, a Model Nematode Host. , 2017, , 975-980.		2
43	Host-parasite interactions: an interview with Emily Troemel. BMC Biology, 2018, 16, 133.	3.8	0